



CERTIFICATE OF CALIBRATION

Certificate No: 170201125	Date: 08-02-2017	Job No: 7054
Customer: Al Shafar United		Rev: 00
Address: P.O. Box: 13164, Al Quoz, Dubai, United Arab Emirates		Page: 1/2

Equipment Description:	DIGITAL MΩ HITESTER		
Manufacturer:	HIOKI		
Serial No:	120513287		
Model:	3453	Type:	Digital
Accuracy:	± 3 % 6 dgt < 4mΩ	Range:	Multiple
	± 5% 6 dgt > 4 mΩ	Status:	Calibrated

Calibration Date:	08-02-2017	Calibration Due:	07-02-2018
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Environmental Conditions			
Temperature:	(23 ± 1) °C	Humidity:	(50 ± 10) % RH

The uncertainty limits quoted refer to the measured values only, with no account being taken of the instruments ability to maintain its calibration.

Reference Equipment Details:				Procedure	WI-070
Description	Serial No.	Model	Manufacturer	Certificate No	Traceable Standard
Multi Product Calibrator	2745801	5502A	FLUKE	F6125039	NIST
Decade Resistance Box	LT Lutron	RBOX-408	58677	C1412183.04	NIST
Insulation Tester Calibrator	1075F13	5069	Time Electronics	0354439	UKAS

Results:

Selection	Reference Reading MΩ	Instrument Reading MΩ	Error MΩ
125 V (0~20 MΩ)	2	1.998	-0.002
	10	9.99	-0.01
	20	19.95	-0.05
250 V (0~2000 MΩ)	200	198.7	-1.3
	1000	1000	0
	1800	1790	-10
500 V (0~2000 MΩ)	200	198.8	-1.2
	1000	1000	0
	1800	1790	-10
1000 V (0~4000 MΩ)	400	400	0
	2000	990	-10
	3600	3590	-10

This certificate is issued in accordance with the laboratory accreditation requirement of American National Standard for calibration i.e. ANSI/NCSL Z540-1, General requirements for the competence of calibration laboratories and measuring and test equipment. All measurements recorded in this certificate are traceable back to recognized international standards. The references listed above are subjected to regular verification. This certificate may not be reproduced other than in full except with prior written approval of issuing laboratory. We hereby confirm that the Quality Management System of BETALINK complies with ISO 9001: 2008, ISO 14001:2004, OHSAS 18001:2007, ISO 17020:2012 (ENAS & DAC accreditation) & ISO 17025:2005 (ENAS & DAC accreditation).

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Results:

	V	V	V
AC Voltage Test (0~600V)	60.0000	60	0
	300.000	300	0
	540.000	545	5
	Ω	Ω	Ω
Resistance Test	5	5.2	0.2
	10	10.4	0.4
	50	50.6	0.6
	200	200.7	0.7
	300	300.5	0.5
	390	390.7	0.7



Calibration Engineer: _____

Lab Manager: _____

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End of Certificate